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## 635nm 30mW Laser Diode Module

R635±10-30mWF-03BCK-S



### Feature

Output power: 30mW

Wavelength: 635±10nm

Fiber core: 4μm, 0.13NA

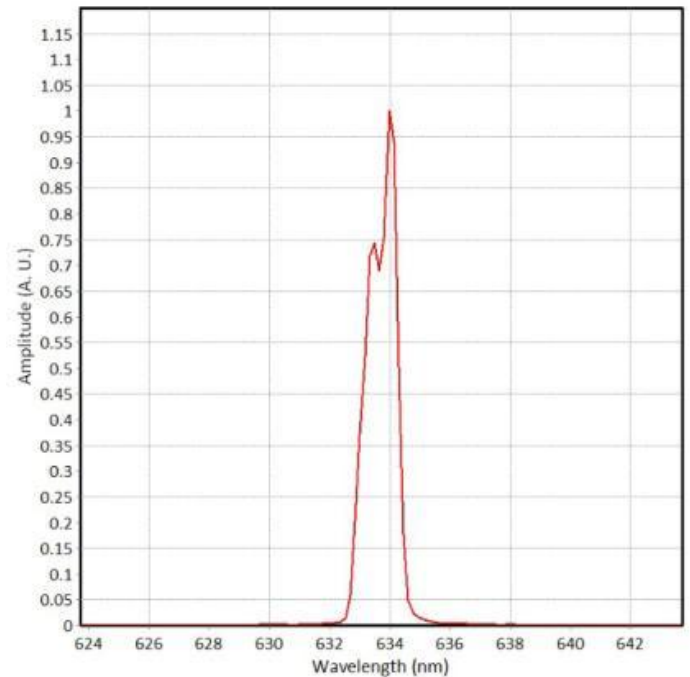
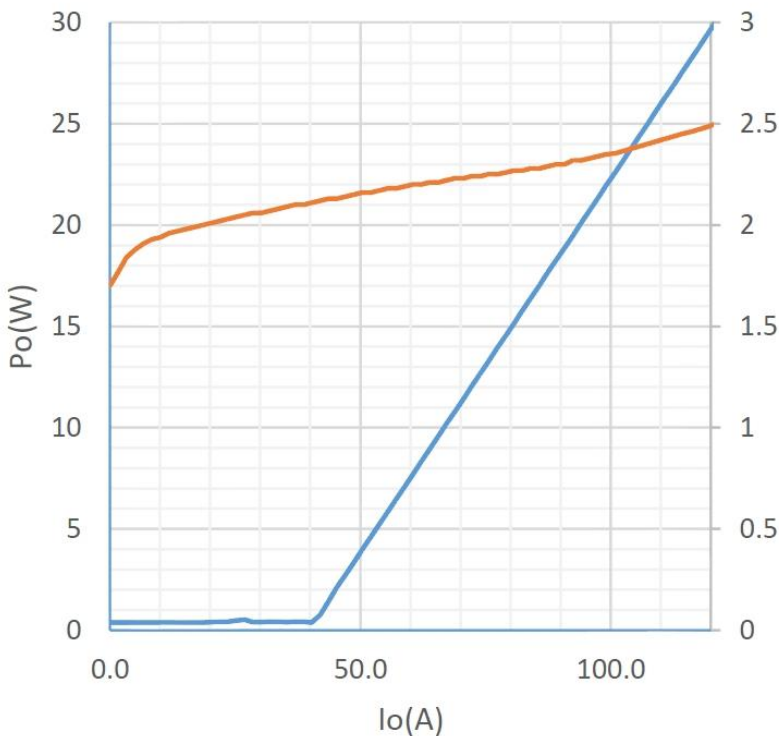
### Application

Medical use

Pilot light

Holography

### 635nm 30mW Characteristics (20°C)



## Typical Device Performance(25°C)

Parameter		Symbol	Typical Value	Unit
			R635±10-30mWF-03BCK-S	
Optical	CW Output Power	$P_{op}$	30	mW
	Center Wavelength	$\lambda_c$	635±10	nm
	Spectral Width	$\Delta\lambda$	≤3	nm
	Temperature drift of wavelength	$\Delta\lambda / \Delta T$	0.2	nm/°C
Electrical	Threshold Current	$I_{th}$	46	mA
	Operating Current	$I_{op}$	120	mA
	Operating Voltage	$V_{op}$	2.53	V
	Slope Efficiency	$\eta_{es}$	0.4	W/A
Fiber	Fiber Core Diameter	$d_{core}$	4	μm
	Fiber Clad Diameter	$d_{clad}$	125	μm
	Fiber Buffer Diameter	$d_{buffer}$	250	μm
	Numerical Aperture	NA	0.13	-
	Connector	-	FC/PC,ST,SMA905	-

## Other Parameters

Parameter	Operating Temperature /°C	Operating Relative Humidity /%	Storage Temperature /°C	Storage Relative Humidity /%	Lead Soldering Temperature (max/°C)
Min	10	-	-20	-	-
Max	30	75	70	90	250(10Sec.)

## Package Dimensions (mm)

Pin	Function
1	Laser(-)
2	Case
3	Laser(+)

